MILLION HEARTS RISK CHECK SERVICE LOCATOR GUIDE

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Document Change Log

The table below tracks changes that have been made since the last publication.

Section #	Section Title	Change Description

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SECTION 1   OVERVIEW

1.1   ABOUT SURESCRIPTS

Surescripts supports the most comprehensive ecosystem of health care organizations nationwide with the nation's largest e-prescription network. Surescripts was founded on the principles of privacy, security, neutrality, choice, transparency, collaboration and quality. Surescripts connects prescribers in all 50 states through their choice of e-prescribing software to the nation's leading payers, chain pharmacies and independent pharmacies. By securely and reliably providing access to prescription and health information for routine, recurring and emergency care, Surescripts is committed to saving lives, improving efficiency and reducing the cost of health care for all. For more information, go to www.surescripts.com.

1.2   DOCUMENT PURPOSE

This document describes the Surescripts Million Hearts Risk Check Locator Service Application Programming Interface (API). The API supports location based searches for Million Hearts Risk Check service providers (primarily pharmacies) that offer blood pressure and cholesterol screening services.

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SECTION 2　　　MILLION HEARTS RISK CHECK SERVICE LOCATOR API

2.1 PROTOCOL

The Locator supports HTTPS GET and POST.

Result Content-Type is application/json i.e. JSON formatted text.

If the 'callback' parameter is supplied, the result Content-Type is application/javascript with the JSON object wrapped with a JSONP style callback function to support platforms that have no other way to support cross-domain requests.

If the client request includes an Accept-Encoding header with gzip or deflate the response Content-Encoding will be gzip or deflate.

The table below describes the search

Client applications must handle the following types of responses.

1. The input passed validation (HTTP Status 200)
    a. Success is set to **true**.
    b. Providers are returned in an array as shown in the table below.
    c. If no providers are found, the Provider array will have length 0.
2. Input validation errors (HTTP Status 200)
    a. Success set to **false.**
    b. List of validation errors return in an Errors object.
    c. Error messages are intended to support application developers. The application should perform client-side validation and present end user error messages as appropriate.
3. Http Client Error (HTTP Status 4XX)
4. Http Server Error (HTTP Status 5XX)

2.2 MESSAGE CONTENT

Requirement Designation

Code	Description
M	Required/Mandatory - the field must be used.
C	Situational/Conditional - the field must be used if conditions are met.

2.2.1 INPUT REQUEST PARAMETERS

Name	Data Type	M/C	Description
apikey	string(50)	M	Surescripts assigned application key required to use the API
lat	decimal(9,6)	M	Latitude in decimal format to be used as the center of the distance search if available
lon	decimal(9,6)	M	Longitude in decimal format to be used as the center of the distance search if available
radius	decimal	C	Narrow search results to within the indicated radius (miles). An input radius that is greater than the maximum will be set to the maximum. Default is 2.0, Maximum is 50.0.
maxResults	int	C	Limits the number of results returned. An input maxResults greater than the maximum will be set to the maximum. Default is 10, Maximum is 20.
callback	string	C	If specified, the JSON result will be wrapped with a function call named with the value of this parameter.

2.2.2 OUTPUT JSON RESPONSE REPRESENTATION

Results are returned using the JSON representation format as described below.

JSON Response Structure

```
{
    "success": true,
    "providers": [],
    "errors": []
}
```

The providers and errors arrays will exist with zero or more elements. If no providers are found for the request the result will have success=true, a provider array with zero elements, and an error array with zero elements.

The provider array is sorted by distance ascending.

The relative position of the JSON fields may vary and should be accessed by name.

2.2.2.1 PROVIDER OBJECT FIELD DEFINITIONS

Name	Data Type	Description
name	string(35)	Name of the store/clinic.
address1	string (35)	Address1 of the store/clinic.
address2	string (35)	Address2 of the store/clinic.
city	string (35)	City of the store/clinic.
state	string (2)	State of the store/clinic.
zip	string (9)	Zip of the store/clinic. Either 5 or 9 digits.
crossStreet	string(35)	Extra address info that aids in finding the location.

Name	Data Type	Description
url	string (255)	The URL for the store – may include parameters to direct the user to a particular resource on the provider web site.
urlCaption	string (255)	The caption to use when displaying a link for the URL
phone	string(25)	Primary phone for the location.
description	string (255)	Description of the service provider that may include services offered, prices, promotions, etc. This field is intentionally limited in size. The user should be directed to the URL (if present) for more detailed information.
distance	decimal	Distance from the center of the search to this location in miles.
lat	decimal(9,6)	Latitude in decimal format of the store/clinic.
lon	decimal(9,6)	Longitude in decimal format of the store/clinic.
precise	boolean	If the precise geocode for an address is not available it may be possible to get an approximation. For example, if the street address is not known it is still possible to get the lat/lon centered in the zip code. This field indicates whether or not the location should be considered exact to the street address.

2.2.2.2 ERROR OBJECT FIELD DEFINITIONS

Name	Data Type	Description
field	string	Name of the input parameter that caused the error.
message	string	Message describing the error. Error messages are intended to assist application developers debug issues. Consuming applications should validate inputs and provide appropriate end user error messages.

2.2.2.3 SAMPLE JSON RESPONSE\

```
{
   "success": true,
   "providers": [
      {
         "address1": "815 Nicollet Mall",
         "address2": null,
         "city": "Minneapolis",
         "crossStreet": "Nicollet Mall & 8th Street",
         "description": "Blood Pressure and Cholesterol Screening Available",
         "distance": 0.552085621537942,
         "lat": 44.975774,
         "lon": -93.273454,
         "name": "Pharmacy 1",
         "phone": "6125551212",
         "precise": true,
         "state": "MN",
         "url": "http://www.sample.com?location=1",
         "urlCaption": "www.sample.com",
         "zip": "55402"
      },
      {
         "address1": "900 NICOLLET MALL",
         "address2": null,
         "city": "MINNEAPOLIS",
         "crossStreet": null,
         "description": "Blood Pressure and Cholesterol Screening Available",
         "distance": 0.600067385301296,
         "lat": 44.975242,
```

```
        "lon": -93.27414,
        "name": "Parmacy 2",
        "phone": "6125551212",
        "precise": true,
        "state": "MN",
        "url": "http://www.sample.com?location=2",
        "urlCaption": "www.sample.com",
        "zip": "55403"
      }
  ],
  "errors": []
}
```

2.3   API KEY

Surescripts will assign and distribute an API Key to the winner(s) of the Million Hearts Risk Check Challenge Application that may be used to access production data.

SECTION 3   TEST APPLICATION

Application Developers may access a test version of the Million Hearts Risk Check Locator API to assist with building and testing their applications. The test version is identical to production with the following exceptions:

- Different URL

- Shared API Key

- Returns sample data from a limited geography

See the *Million Hearts Risk Check Challenge Service Locator Test Application* documentation for details regarding the test application.